

Control valve/shut-off valve.

Patent Number: EP0230849
Publication date: 1987-08-05
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Requested Patent: ☐ EP0230849
Application Number: EP19860730016 19860129
Priority Number(s): EP19860730016 19860129
IPC Classification: F16K1/12
EC Classification: F16K1/12, F16K31/54
Equivalents:
Cited Documents: US1943401; EP0123185; US2652851; FR763362; US1919165; GB2054103

Abstract

The invention relates to a control valve consisting of a housing and a flow body, suspended on ribs in the housing and in which there is guided a shut-off body which is designed as a piston and can move axially, the movement taking place by means of a rod which is guided out of the housing and whose tooth system engages in a tooth system on the shut-off body. In order to design a control valve such that the efficiency of the adjusting device is increased by virtually completely overcoming the friction losses on the flanks of the tooth drive, and that furthermore avoids the risk of the rotating rod being pushed out by sudden pressure shocks, it is proposed that the rod (4) is supported such that it can rotate and have a longitudinal tooth system (5) on its end facing the shut-off body (3) to be moved, which tooth system

(5) engages in a straight-tooth rack (6) on the shut-off body (3). 

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